



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
**JACKSONVILLE DISTRICT CORPS OF ENGINEERS**  
**COCOA REGULATORY OFFICE**  
**400 HIGH POINT DRIVE, SUITE 600**  
**COCOA, FLORIDA 32926**  
**April 8, 2008**

Cocoa Permits Section  
SAJ-2004-5533 (GP-AWP)

FDOT - District 2  
Attn: Jenny Sargent  
1109 S. Marion Ave.  
Lake City, Florida 32025

Dear Ms. Sargent:

Your application for a Department of the Army permit received on March 20, 2008, has been assigned number SAJ-2004-5533 (GP-AWP). A review of the information and drawings provided shows the proposed work is the placement of three (3) mooring piles in Doctor's Inlet to facilitate the expansion of the US 17 Bridge over Doctor's Inlet. The mooring plies will consist of four foot diameter plies and will be placed just west of the northern bridge abutment as depicted on the attached plans. The project is located in Clay County, Florida.

Your project, as depicted on the enclosed drawings, is authorized by Regional General Permit (GP) SAJ-17, copy enclosed. This authorization is valid until November 6, 2011. You must comply with all of the special and general conditions and any project-specific conditions of this authorization or you may be subject to enforcement action. The following project-specific conditions are included with this authorization:

1. The permittee agrees to the placement of mooring fenders on barges and other large vessels such that, when moored together, the fenders provide a minimum stand-off distance, at and below the water line, of 4 feet under maximum compression.

2. The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense

to the United States. No claim shall be made against the United States on account of any such removal or alteration.

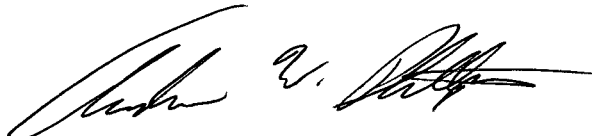
3. The Permittee agrees to remove all three (3) mooring piles (in their entirety) upon completion of in-water work or opening of the bridge to commuter traffic.

This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. In Florida, projects qualifying for this GP must be authorized under Part IV of Chapter 373 by the Department of Environmental Protection, a water management district under §. 373.069, F.S., or a local government with delegated authority under §. 373.441, F.S. and receive Water Quality Certification (WQC) and Coastal Zone Consistency Concurrence (CZCC) or waiver thereof, as well as any authorizations required for the use of sovereignty submerged lands that must be obtained as part of the associated WQC or CZCC. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced GP, please contact Andrew Phillips by telephone at 321-504-3771 extension 14.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit the following link and complete our automated Customer Service Survey: <http://regulatory.usacesurvey.com/>. Your input is appreciated - favorable or otherwise.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew W. Phillips", with a stylized flourish at the end.

Andrew W. Phillips  
Project Manager

Enclosures

Copy Furnished:

CESAJ-RD-PE

**SELF-CERTIFICATION STATEMENT OF COMPLIANCE**

**General Permit Number: SAJ-17**  
**Application Number: SAJ-2004-5533**

Permittee's Name & Address (please print or type): \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Location of the Work: \_\_\_\_\_

\_\_\_\_\_

Date Work Started: \_\_\_\_\_ Date Work Completed: \_\_\_\_\_

Description of the Work (e.g. bank stabilization, residential or commercial filling, docks, dredging, etc.): \_\_\_\_\_

\_\_\_\_\_

Acreage or Square Feet of Impacts to Waters of the United States: \_\_\_\_\_

Describe Mitigation completed (if applicable): \_\_\_\_\_

\_\_\_\_\_

Describe any Deviations from Permit (attach drawing(s) depicting the deviations): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

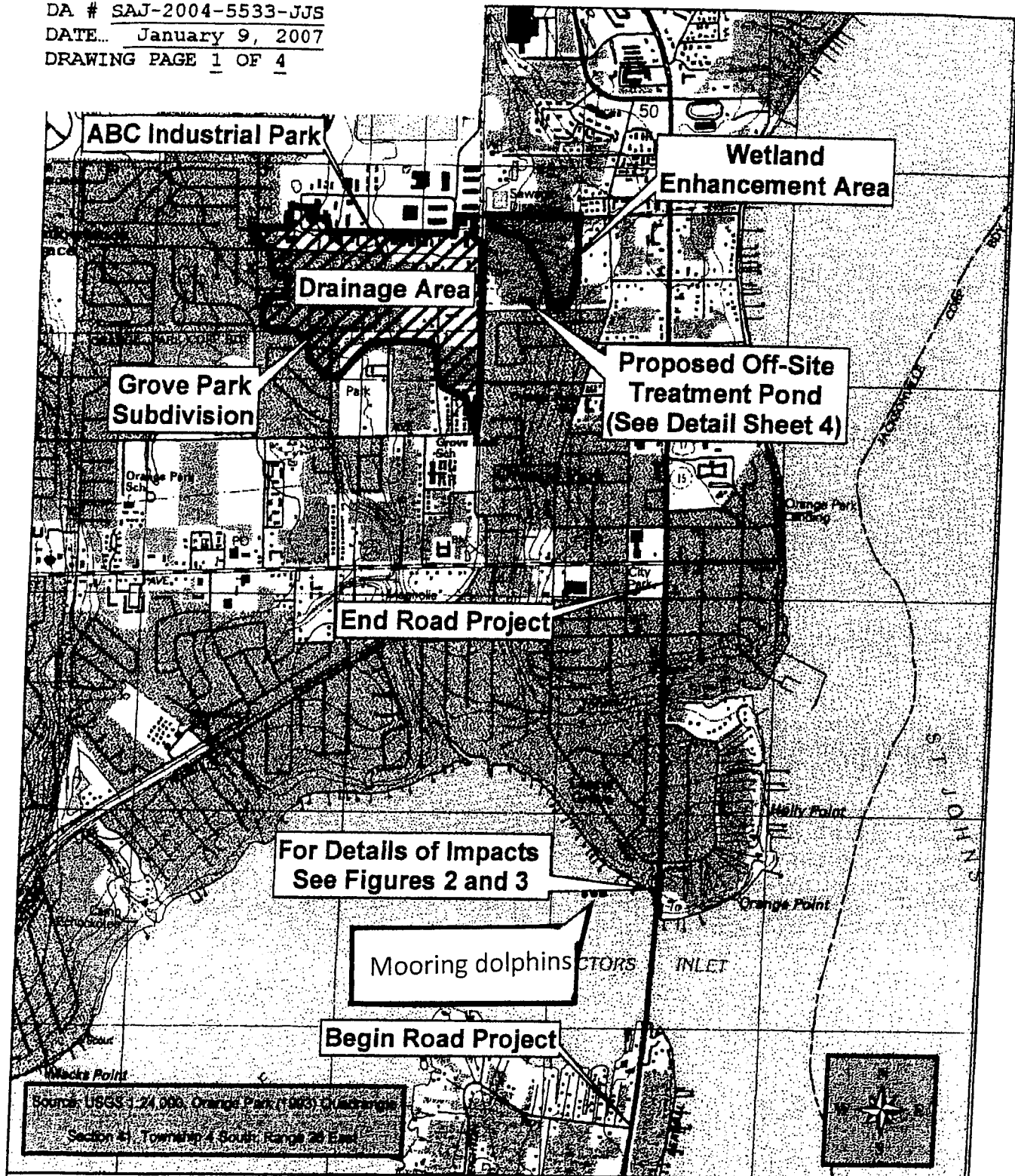
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I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date

U.S. ARMY CORPS OF ENGINEERS  
DA # SAJ-2004-5533-JJS  
DATE... January 9, 2007  
DRAWING PAGE 1 OF 4



PEACOCK CONSULTING GROUP, LLC



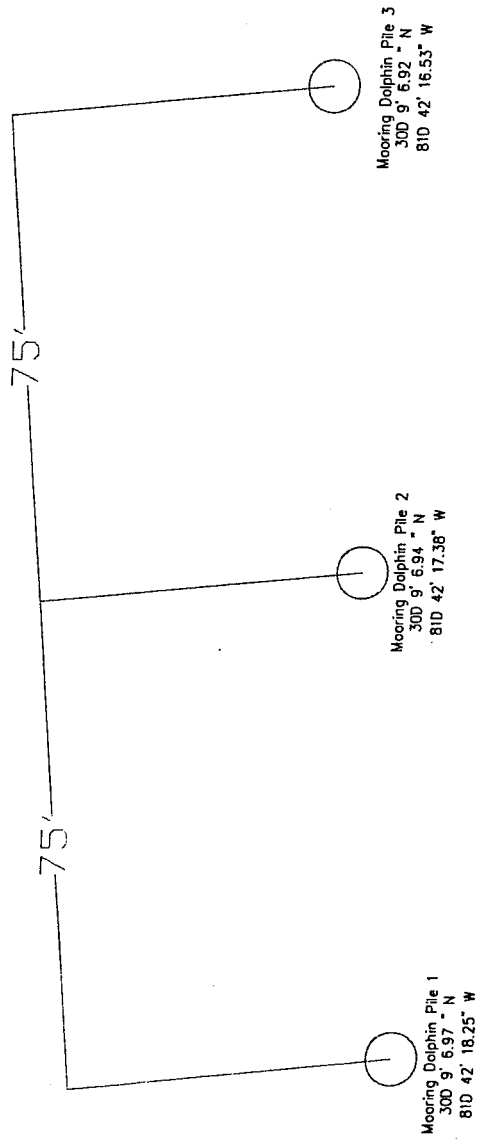
## Doctors Inlet Bridge

Clay County, Florida  
Location/Topographic Map

Figure: 1

Scale: 1"=2000'

Date: November 2006



**Notes:**

1. All moorings will be comprised of 48" steel pipe piling @ 60' long.
2. Drive all moorings such that the top elevation is at least 4' above normal high water.
3. All moorings to be lighted/marked in accordance with the applicable regulations.
4. Turbidity to be monitored immediately before and within three hours of mooring operations such that readings are taken immediately up and down stream of the area.

REVISIONS				ARCHER WESTERN CONTRACTORS, LTD.		SHEET 7/12		Mooring Dolphin Plan and Location	
NO.	DESCRIPTION	DATE	BY	CHECKED BY	DATE	COUNTY	PROJECT NO.	PROJECT NAME	SHEET NO.
1						CLAY	208207-1-52-01	207060 - CLAY/ US 17 OVER DOCTOR'S INLET	
2									
3									
4									
5									
6									
7									
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REPLY TO  
ATTENTION OF

Regulatory Division

**DEPARTMENT OF THE ARMY**  
**JACKSONVILLE DISTRICT CORPS OF ENGINEERS**  
P. O. BOX 4970  
JACKSONVILLE, FLORIDA 32232-0019

**NOV 06 2006**

**DEPARTMENT OF THE ARMY**  
**REGIONAL GENERAL PERMIT SAJ-17**  
**SAJ-2006-1733 (SLS)**  
**MINOR STRUCTURES IN FLORIDA**

Upon recommendation of the Chief of Engineers, pursuant to Section 10 of the Rivers and Harbors Act of 1899, general authority is hereby given to install minor structures in navigable waters of the United States within the State of Florida subject to the following conditions:

**SPECIAL CONDITIONS:**

1. The work authorized will be for minor structures to include:
  - a. Single mooring pilings;
  - b. small mooring dolphins (not to exceed a cluster of four);
  - c. non-commercial information signage;
  - d. boat lifts, hoists, davits, etc.; and
  - e. other minor structures that would have less environmental impact than a small dock.
2. No work shall be performed until the applicant submits satisfactory plans for the proposed structure and receives written authorization from the District Engineer.
3. The following areas are specifically excluded from authorization under SAJ-17:
  - a. Motorboat prohibited zones, no entry zones, and Federal Manatee Sanctuaries.

b. All areas regulated under the Lake Okeechobee and Okeechobee Waterway Shoreline Management Plan, located between St. Lucie Lock in Martin County and W.P. Franklin Lock in Lee County.

c. Biscayne Bay National Park Protection Zone (Dade County), St. Lucie Impoundment (Palm Beach County), and areas identified in the Wild and Scenic Rivers Act (16 U.S.C. 1317, et seq.): the St. Mary's River, from its headwaters to its confluence with the Bells River, the entire Wekiva River, including Wekiwa Springs Run, Rock Springs Run, the entire Seminole Creek, and Black Water Creek from its outfall at Lake Norris to its confluence with the Wekiva River, the Loxahatchee River from Riverbend Park downstream to Jonathan Dickinson State Park.

d. The following state parks: John Pennekamp Coral Reef State Park, Lignum Vitae Key State Botanical Site and Aquatic Preserve, Long Key State Park, Curry Hammock State Park, and Bahia Honda State Park.

e. Canals in the Kings Bay/Crystal River/Homosassa/Salt River system (Citrus County); canals at Garfield Point including Queens Cove (St. Lucie County).

4. No structures shall be authorized by SAJ-17 within the boundaries of the Timucuan Ecological and Historical Preserve (Duval County) until the National Park Service has been contacted and offered the opportunity to submit comments to the Corps on the effects of the proposed project on the preserve:

5. Prior to verification of authorization, the dichotomous key titled "The Corps of Engineers, Jacksonville District, and the State of Florida Effect Determination Key for the Manatee in Florida, July 2005", (see [http://www.saj.usace.army.mil/permit/Endangered\\_Species/end\\_species\\_index.htm](http://www.saj.usace.army.mil/permit/Endangered_Species/end_species_index.htm)) will be used to determine potential manatee impacts. Those determined to be a "may affect" to the manatee will not be authorized until consultation on the project has been concluded with the U.S. Fish and Wildlife Service in accordance with the Endangered Species Act. Additionally, depending on the location of the project, some projects determined to be "may affect, not likely to adversely affect" will not be authorized until consultation on the project has been concluded. *Note: The manatee key may be subject to revision at any time. It is our intention that the most recent version of this technical tool will be utilized during the evaluation of the permit application.*

6. For projects in waters accessible to manatees, the permittee will utilize the "Standard Manatee Conditions for In-Water Work, July 2005" (see [http://www.saj.usace.army.mil/permit/Endangered\\_Species/end\\_species\\_index.htm](http://www.saj.usace.army.mil/permit/Endangered_Species/end_species_index.htm)) and/or requirements, as appropriate for the proposed activity. *Note: The manatee conditions may be subject to revision at any time. It is our intention that the most recent version of these conditions will be utilized during the evaluation of the permit application.*



7. For projects in waters accessible to sea turtles, Smalltooth sawfish, Gulf sturgeon, or Shortnose sturgeon, the permittee will utilize the "Sea Turtle and Smalltooth Sawfish Construction Conditions" (see [http://www.saj.usace.army.mil/permit/Endangered\\_Species/end\\_species\\_index.htm](http://www.saj.usace.army.mil/permit/Endangered_Species/end_species_index.htm)) and/or requirements, as appropriate for the proposed activity. *Note: These conditions may be subject to revision at any time. It is our intention that the most recent version of these conditions will be utilized during the evaluation of the permit application.*

8. This permit has undergone consultation with U.S. Fish and Wildlife Service (FWS) and the National Marine Fisheries Service (NMFS) on the listed species and any designated critical habitat listed on Table 1 (attached). If the proposed activity requires additional Section 7 consultation under the Endangered Species Act with the FWS and/or NMFS on: 1) these or any other Federally listed threatened or endangered species or a species proposed for such designation; or 2) designated critical habitat for these or any other Federally listed threatened or endangered species or habitat proposed to be designated as critical habitat for any Federally listed threatened or endangered species, until consultation is concluded, the proposed activity cannot be authorized under SAJ-17.

9. No work shall be authorized by SAJ-17 which may have direct or indirect adverse effects on hard or soft corals, estuarine emergent, marine emergent, and/or the following species of submerged aquatic vegetation: shoal grass (*Halodule wrightii*), paddle grass (*Halophila decipiens*), star grass (*Halophila engelmanni*), Johnson's seagrass (*Halophila johnsonii*), sago pondweed (*Potamogeton pectinatus*), clasping-leaved pondweed (*Potamogeton perfoliatus*), widgeon grass (*Ruppia maritima*), manatee grass (*Syringodium filiforme*), turtle grass (*Thalassia testudinum*), tapegrass (*Vallisneria Americana*), horned pondweed (*Zannichellia palustris*), and eel grass (*Zostera marina*). Indirect effects include secondary and cumulative effects. In addition, the project cannot have adverse effects on any other essential fish habitat.

10. Adverse impacts to aquatic vegetation from dock construction may be ameliorated by adherence to the attached joint U.S. Army Corps of Engineers'/National Marine Fisheries Service's **"Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat - U.S. Army Corps of Engineers/National Marine Fisheries Service - August 2001"** (See [http://www.saj.usace.army.mil/permit/Endangered\\_Species/end\\_species\\_index.htm](http://www.saj.usace.army.mil/permit/Endangered_Species/end_species_index.htm)) Dock construction everywhere in the State of Florida must comply with the above, and additionally, because of concerns about adverse impacts to Johnson's seagrass (*Halophila johnsonii*), dock construction in the lagoon (as well as canal) systems on Florida's east coast from Sebastian Inlet (Brevard County) south to and including central Biscayne Bay (Miami-Dade County) must also comply with the construction guidelines titled **"Key for Construction Conditions for Docks or Other Minor Structures Constructed in or Over Johnson's seagrass (*Halophila johnsonii*) National Marine Fisheries Service/U.S. Army Corps of Engineers - February 2002."** (See

[http://www.saj.usace.army.mil/permit/Endangered\\_Species/end\\_species\\_index.htm](http://www.saj.usace.army.mil/permit/Endangered_Species/end_species_index.htm)

*Note: Both of the Construction Guidelines may be subject to revision at any time. It is our intention that the most recent version of this technical tool will be utilized during the evaluation of the permit application.*

11. For projects proposed adjacent to Federally-maintained channels, no structure, including mooring piles, authorized under this regional general permit shall be within the established setback. The setback is normally 100' in the various Intracoastal Waterways but may vary in a few specific reaches as well as in other Federal channels. Exact locations of the proposed structures relative to the channel may need to be verified by use of the Florida State Plane (x, y) Coordinate System, calculated from the near-bottom edge of the Federal channel. Any activity within Federal rights-of-way will require the permittee to enter into a consent-to-easement with the Real Estate Division, U.S. Army Corps of Engineers, Jacksonville or Mobile District, as appropriate, prior to the commencement of any construction activity.

12. For projects authorized under the SAJ-17 in navigable waters of the United States, the permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

13. To maintain no less than 50% of the open-water portion of the waterbody available for public use, structures constructed on canals or channels must not extend more than 25% of the canal/channel width, excluding dense areas of forested shoreline vegetation such as mangroves, as measured from the project location to the opposite shoreline.

14. No structure or work shall adversely affect or disturb properties listed in the *National Register of Historic Places* or those eligible for inclusion in the National Register.

If unexpected cultural resources are encountered at any time within the project area that was not the subject of a previous cultural resource assessment survey, work should cease in the immediate vicinity of such discoveries. The permittee, or other party, should notify the SHPO immediately, as well as the appropriate Army Corps of Engineers office. After such notifications, project activities should not resume without verbal and/or written authorization from the SHPO.

If unmarked human remains are encountered, all work shall stop immediately, and the proper authorities notified in accordance with Section 872.05, *Florida Statutes*, unless on Federal lands. After such notifications, project activities on non-Federal lands shall

not resume without verbal and/or written authorization from the Florida State Archaeologist for finds under his or her jurisdiction.

15. Turbidity controls measures may be required, and the work must be conducted so as to prevent violations of State Water Quality Standards as established in sections 62-4.242 and 62-4.244 of the Florida Administrative Code and Chapters 62-302, 62-520, 62-522, and 62-550 of the Florida Administrative Code.

16. Prior to the initiation of any construction, projects qualifying for this regional general permit must qualify for an exemption under section 403.813(2)(b), F.S., or other applicable exemption under Part IV of Chapter 373, F.S., or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, F.S., by the Department of Environmental Protection, a water management district under s. 373.069, F.S., or a local government with delegated authority under s. 373.441, F.S., and receive Water Quality Certification (WQC) and applicable Coastal Zone Consistency Concurrence (CZCC) or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, F.S., and, as applicable, Chapter 258, F.S.

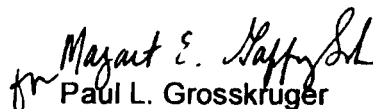
17. No work shall be performed until after the permittee provides notification to the owner(s) or operator(s) of any marked utilities in the area of the structure.

18. Conformance with the descriptions and criteria contained herein does not necessarily guarantee authorization under this regional general permit. The District Engineer reserves the right to require that any request for authorization under this regional general permit be processed as a standard permit.

19. This regional general permit will be valid for a period of five years from the date specified above unless suspended or revoked by the District Engineer prior to that date. If SAJ-17 expires or is revoked prior to completion of the authorized work, authorization of activities that have commenced or are under contract to commence in reliance on SAJ-17 will remain in effect provided the activity is completed within 12 months of the date SAJ-17 expired or was revoked.

20. The permittee shall perform all work in accordance with the general conditions for permits. The general conditions attached hereto are made a part of this permit.

BY AUTHORITY OF THE SECRETARY OF THE ARMY

  
Paul L. Grosskruger  
Colonel, U.S. Army  
District Engineer

## GENERAL CONDITIONS FOR DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMITS

### General Conditions

1. The time limit for completing the work authorized ends on \_\_\_\_\_.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature and mailing address of the new owner in the space provided below and forward a copy of the permit to this office to validate the transfer of this authorization.
5. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

### Further Information:

1. Limits of this authorization.
  - a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
  - b. This permit does not grant any property rights or exclusive privileges.
  - c. This permit does not authorize any injury to the property or rights of others.
  - d. This permit does not authorize interference with any existing or proposed Federal projects.
2. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
  - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
  - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
  - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
  - d. Design or construction deficiencies associated with the permitted work.
  - e. Damage claims associated with any future modification, suspension, or revocation of this permit.

3. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

4. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 3 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

5. Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\_\_\_\_\_  
(TRANSFEREE-SIGNATURE)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(ADDRESS)

GENERAL PERMIT

Table 1

**Federally Listed Species in Florida**  
**Consultation for SAJ 17 2006 - Minor Structures**

<b>Animals</b>			
<i>Finding</i>	<i>Agency</i>	<i>Status</i>	<i>Species Listing</i>
<b>MAMMALS</b>			
NE	FWS	E	Deer, Key ( <i>Odocoileus virginianus clavium</i> )
MANLAA*	FWS	E	Manatee, West Indian ( <i>Trichechus manatus</i> )
NE	FWS	E	Mouse, Anastasia Island beach ( <i>Peromyscus polionotus phasma</i> )
NE	FWS	E	Mouse, Choctawhatchee beach ( <i>Peromyscus polionotus allophrys</i> )
NE	FWS	E	Mouse, Key Largo cotton ( <i>Peromyscus gossypinus allapaticola</i> )
NE	FWS	E	Mouse, Perdido Key beach ( <i>Peromyscus polionotus trissyllepsis</i> )
NE	FWS	T	Mouse, southeastern beach ( <i>Peromyscus polionotus niveiventris</i> )
NE	FWS	E	Mouse, St. Andrew beach ( <i>Peromyscus polionotus peninsularis</i> )
NE	FWS	E	Panther, Florida ( <i>Puma concolor coryi</i> )
NE	FWS	E	Rabbit, Lower Keys marsh ( <i>Sylvilagus palustris hefneri</i> )
NE*	FWS	E	Rice rat (lower FL Keys) ( <i>Oryzomys palustris natator</i> )
NE	FWS	E	Vole, Florida salt marsh ( <i>Microtus pennsylvanicus dukecampbelli</i> )
NE	NMFS	E	Whale, finback ( <i>Balaenoptera physalus</i> )
NE	NMFS	E	Whale, humpback ( <i>Megaptera novaeangliae</i> )
NE*	NMFS	E	Whale, right ( <i>Balaena glacialis</i> )
NE	FWS	E	Woodrat, Key Largo ( <i>Neotoma floridana smalli</i> )
<b>BIRDS</b>			
NE	FWS	T	Caracara, Audubon's crested (FL pop.) ( <i>Polyborus plancus audubonii</i> )
NE	FWS	T	Eagle, bald ( <i>Haliaeetus leucocephalus</i> )
NE	FWS	T	Jay, Florida scrub ( <i>Aphelocoma coerulescens</i> )
NE*	FWS	E	Kite, Everglade snail ( <i>Rostrhamus sociabilis plumbeus</i> )
NE*	FWS	T	Plover, piping ( <i>Charadrius melodus</i> )
NE	FWS	E	Sparrow, Cape Sable seaside ( <i>Ammodramus (=Ammospiza) maritimus mirabilis</i> )
NE	FWS	E	Sparrow, Florida grasshopper ( <i>Ammodramus savannarum floridanus</i> )
NE	FWS	E	Stork, wood ( <i>Mycteria americana</i> )
NE	FWS	T	Tern, Roseate ( <i>Sterna dougallii dougallii</i> )
NE	FWS	E	Woodpecker, red-cockaded ( <i>Picoides borealis</i> )
<b>REPTILES &amp; AMPHIBIANS</b>			
NE*	FWS	E	Crocodile, American ( <i>Crocodylus acutus</i> )
NE	FWS	T	Salamander, flatwoods ( <i>Ambystoma cingulatum</i> )
MANLAA	NMFS/FW	T	Sea turtle, green ( <i>Chelonia mydas</i> )
MANLAA	NMFS/FW	E	Sea turtle, hawksbill ( <i>Eretmochelys imbricata</i> )
MANLAA	NMFS/FW	E	Sea turtle, Kemp's ridley ( <i>Lepidochelys kempii</i> )
NE	NMFS/FW	E	Sea turtle, leatherback ( <i>Dermochelys coriacea</i> )
MANLAA	NMFS/FW	T	Sea turtle, loggerhead ( <i>Caretta caretta</i> )
NE	FWS	T	Skink, bluetail mole ( <i>Eumeces egregius lividus</i> )
NE	FWS	T	Skink, sand ( <i>Neoseps reynoldsi</i> )
NE	FWS	T	Snake, Atlantic salt marsh ( <i>Nerodia clarkii taeniata</i> )
NE	FWS	T	Snake, eastern indigo ( <i>Drymarchon corais couperi</i> )
<b>FISH</b>			
NE	FWS	E	Darter, Okaloosa ( <i>Etheostoma okaloosae</i> )
MANLAA	NMFS	E	Sawfish, Smalltooth ( <i>Pristis pectinata</i> )
MANLAA*	NMFS/FW	T	Sturgeon, Gulf ( <i>Acipenser oxyrinchus desotoi</i> )

MANLAA	NMFS	E	Sturgeon, shortnose ( <i>Acipenser brevirostrum</i> )
<b>INVERTEBRATES</b>			
NE	FWS	T	Bankclimber, purple ( <i>Elliptioideus sloatianus</i> )
NE	FWS	C	Bean, Choctaw ( <i>Villosa choctawensis</i> )
NE	FWS	C	Beetle, Highlands tiger ( <i>Cicindela highlandensis</i> )
NE	FWS	C	Butterfly, Miami Blue ( <i>Cyclargus (=Hemiargus) thomasi bethunebakeri</i> )
NE	FWS	E	Butterfly, Schaus swallowtail ( <i>Heraclides aristodemus ponceanus</i> )
NE	NMFS	C	Coral, Elkhorn ( <i>Acropora palmata</i> )
NE	NMFS	C	Coral, Staghorn ( <i>Acropora cervicornis</i> )
NE	FWS	C	Ebonyshell, round ( <i>Fusconaia Rotulata</i> )
NE	FWS	C	Kidneyshell, southern ( <i>Ptychobranchus jonesi</i> )
NE	FWS	E	Moccasinshell, Gulf ( <i>Medionidus penicillatus</i> )
NE	FWS	E	Moccasinshell, Ochlockonee ( <i>Medionidus simpsonianus</i> )
NE	FWS	C	Pigtoe, fuzzy ( <i>Pleurobema strodeanum</i> )
NE	FWS	C	Pigtoe, narrow ( <i>Fusconaia escambia</i> )
NE	FWS	E	Pigtoe, oval ( <i>Pleurobema pyriforme</i> )
NE	FWS	C	Pigtoe, tapered ( <i>Quincuncina burkei</i> )
NE	FWS	E	Pocketbook, shinyrayed ( <i>Lampsilis subangulata</i> )
NE	FWS	C	Sandshell, southern ( <i>Lampsilis australis</i> )
NE	FWS	T	Snail, Stock Island tree ( <i>Orthalicus reses</i> )
NE	FWS	T	Slabshell, Chipola ( <i>Elliptio chipolaensis</i> )
NE	FWS	E	Three-ridge, fat ( <i>Ambelma neislerii</i> )

#### Plants

<b>Finding</b>	<b>Agency</b>	<b>Status</b>	<b>Species Listing</b>
NE	FWS	E	Aster, Florida golden ( <i>Chrysopsis floridana</i> )
NE	FWS	C	Aster, Georgia ( <i>Symphyotrichum georgianum</i> )
NE	FWS	E	Beargrass, Britton's ( <i>Nolina brittoniana</i> )
NE	FWS	E	Beauty, Harper's ( <i>Harperocallis flava</i> )
NE	FWS	E	Bellflower, Brooksville ( <i>Campanula robinsiae</i> )
NE	FWS	T	Birds-in-a-nest, white ( <i>Macbridea alba</i> )
NE	FWS	E	Blazingstar, scrub ( <i>Liatris ohlingerae</i> )
NE	FWS	T	Bonamia, Florida ( <i>Bonamia grandiflora</i> )
NE	FWS	C	Brickell-bush, Florida ( <i>Brickellia mosieri</i> )
NE	FWS	T	Buckwheat, scrub ( <i>Eriogonum longifolium gnaphalifolium</i> )
NE	FWS	C	Bully, Everglades ( <i>Sideroxylon reclinatum ssp. Austrofloridense</i> )
NE	FWS	T	Butterwort, Godfrey's ( <i>Pinguicula ionantha</i> )
NE	FWS	C	Cactus, Florida semaphore ( <i>Consolea corallicola</i> )
NE	FWS	E	Cactus, Key tree ( <i>Pilosocereus robinii</i> )
NE	FWS	E	Campion, fringed ( <i>Silene polypetala</i> )
NE	FWS	E	Chaffseed, American ( <i>Schwalbea americana</i> )
NE	FWS	E	Cladonia, Florida perforate ( <i>Cladonia perforata</i> )
NE	FWS	C	Crabgrass, Florida pineland ( <i>Digitaria pauciflora</i> )
NE	FWS	C	Flax, Carter's small-flowered ( <i>Linum carteri carteri</i> )
NE	FWS	C	Flax, sand ( <i>Linum arenicola</i> )
NE	FWS	E	Fringe-tree, pygmy ( <i>Chionanthus pygmaeus</i> )
NE	FWS	T	Gooseberry, Miccosukee ( <i>Ribes echinellum</i> )
NE	FWS	E	Gourd, Okeechobee ( <i>Cucurbita okeechobeensis okeechobeensis</i> )
NE	FWS	E	Harebells, Avon Park ( <i>Crotalaria avonensis</i> )
NE	FWS	E	Hypericum, highlands scrub ( <i>Hypericum cumulicola</i> )
NE	FWS	C	Indigo, Florida ( <i>Indigofera mucronata keyensis</i> )
NE	FWS	E	Jacquemontia, beach ( <i>Jacquemontia reclinata</i> )
NE	FWS	E	Lead-plant, Crenulate ( <i>Amorpha crenulata</i> )
NE	FWS	E	Lupine, scrub ( <i>Lupinus aridorum</i> )

NE	FWS	E	Meadowrue, Cooley's ( <i>Thalictrum cooleyi</i> )
NE	FWS	E	Milkpea, Small's ( <i>Galactia smallii</i> )
NE	FWS	E	Mint, Garrett's ( <i>Dicerandra christmanii</i> )
NE	FWS	E	Mint, Lakela's ( <i>Dicerandra immaculata</i> )
NE	FWS	E	Mint, longspurred ( <i>Dicerandra cornutissima</i> )
NE	FWS	E	Mint, scrub ( <i>Dicerandra frutescens</i> )
NE	FWS	E	Mustard, Carter's ( <i>Warea carteri</i> )
NE	FWS	E	Pawpaw, beautiful ( <i>Deeringothamnus pulchellus</i> )
NE	FWS	E	Pawpaw, four-petal ( <i>Asimina tetramera</i> )
NE	FWS	E	Pawpaw, Rugel's ( <i>Deeringothamnus rugelii</i> )
NE	FWS	C	Pea, Big Pine partridge ( <i>Chamaecrista lineata keyensis</i> )
NE	FWS	T	Pigeon wings ( <i>Clitoria fragrans</i> )
NE	FWS	E	Pinkroot, gentian ( <i>Spigelia gentianoides</i> )
NE	FWS	E	Plum, scrub ( <i>Prunus geniculata</i> )
NE	FWS	E	Polygala, Lewton's ( <i>Polygala lewtonii</i> )
NE	FWS	E	Polygala, tiny ( <i>Polygala smallii</i> )
NE	FWS	E	Pondberry ( <i>Lindera melissifolia</i> )
NE	FWS	C	Prairie-clover, Florida ( <i>Dalea carthagenensis floridana</i> )
NE	FWS	E	Prickly-apple, fragrant ( <i>Cereus eriophorus fragrans</i> )
NE	FWS	E	Rhododendron, Chapman ( <i>Rhododendron chapmanii</i> )
NE	FWS	E	Rosemary, Apalachicola ( <i>Conradina glabra</i> )
NE	FWS	E	Rosemary, Etonia ( <i>Conradina etonia</i> )
NE	FWS	E	Rosemary, short-leaved ( <i>Conradina brevifolia</i> )
NE	FWS	E	Sandlace ( <i>Polygonella myriophylla</i> )
NE	FWS	C	Sandmat, pineland ( <i>Chamaesyce deltoidea pinetorum</i> )
MANLAA*	NMFS	T	Seagrass, Johnson's ( <i>Halophila johnsonii</i> )
NE	FWS	C	Silverbrush, Blodgett's ( <i>Argythamnia blodgettii</i> )
NE	FWS	T	Skullcap, Florida ( <i>Scutellaria floridana</i> )
NE	FWS	E	Snakeroot ( <i>Eryngium cuneifolium</i> )
NE	FWS	E	Spurge, deltoid ( <i>Chamaesyce deltoidea deltoidea</i> )
NE	FWS	T	Spurge, Garber's ( <i>Chamaesyce garberi</i> )
NE	FWS	T	Spurge, telephus ( <i>Euphorbia telephioides</i> )
NE	FWS	C	Spurge, wedge ( <i>Chamaesyce deltoidea serpyllum</i> )
NE	FWS	C	Thoroughwort, Cape Sable ( <i>Chromolaena frustrata</i> )
NE	FWS	E	Torreya, Florida ( <i>Torreya taxifolia goveniana</i> )
NE	FWS	E	Warea, wide-leaf ( <i>Warea amplexifolia</i> )
NE	FWS	E	Water-willow, Cooley's ( <i>Justicia cooleyi</i> )
NE	FWS	T	Whitlow-wort, papery ( <i>Paronychia chartacea</i> )
NE	FWS	E	Wireweed ( <i>Polygonella basiramia</i> )
NE	FWS	E	Ziziphus, Florida ( <i>Ziziphus celata</i> )
*Finding also applies to Designated Critical Habitat			



## STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

July 2005

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-232-2580) for north Florida or Vero Beach (1-561-562-3909) for south Florida.
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads *Caution: Manatee Area* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities.

**FWC Approved Manatee Educational Sign Suppliers**

**ASAP Signs & Designs**

624-B Pinellas Street  
Clearwater, FL 33756  
Phone: (727) 443-4878  
Fax: (727) 442-7573

**Wilderness Graphics, Inc.**

P. O. Box 1635  
Tallahassee, FL 32302  
Phone: (850) 224-6414  
Fax: (850) 561-3943  
[www.wildernessgraphics.com](http://www.wildernessgraphics.com)

**Cape Coral Signs & Designs**

1311 Del Prado Boulevard  
Cape Coral, FL 33990  
Phone: (239) 772-9992  
Fax: (239) 772-3848

**Municipal Supply & Sign Co.**

1095 Fifth Avenue, North  
P. O. Box 1765  
Naples, FL 33939-1765  
Phone: (800) 329-5366 or  
(239) 262-4639  
Fax: (239) 262-4645  
[www.municipalsigns.com](http://www.municipalsigns.com)

**Vital Signs**

104615 Overseas Highway  
Key Largo, FL 33037  
Phone: (305) 451-5133  
Fax: (305) 451-5163

**Universal Signs & Accessories**

2912 Orange Avenue  
Ft. Pierce, FL 34947  
Phone: (800) 432-0331 or  
(772) 461-0665  
Fax: (772) 461-0669

**New City Signs**

1829 28<sup>th</sup> Street North  
St. Petersburg, FL 33713  
Phone: (727) 323-7897  
Fax: (727) 323-1897

**United Rentals Highway Technologies**

309 Angle Road  
Ft. Pierce, FL 34947  
Phone: (772) 489-8772  
or (800) 489-8758 (FL only)  
Fax: (772) 489-8757

# **CAUTION: MANATEE HABITAT**

**All project vessels**

## **IDLE SPEED / NO WAKE**

**When a manatee is within 50 feet of work  
all in-water activities must**

## **SHUT DOWN**

Report any collision or injury to:

**1-888-404-FWCC (1-888-404-3922)**

Florida Fish and Wildlife Conservation Commission



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
**NATIONAL MARINE FISHERIES SERVICE**  
Southeast Regional Office  
263 13th Avenue South  
St. Petersburg, FL 33701

## **SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS**

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006

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April 2, 2008

MEMORANDUM FOR RECORD

SUBJECT: Coordination with the U.S Fish and Wildlife Service  
(FWS) Pursuant to the Endangered Species Act

1. Applicant: FDOT - District 2  
Attn: Jenny Sargent  
1109 S. Marion Ave.  
Lake City, Florida 32025

Waterway: Doctor's Inlet, west of St. Johns River

Location: The mooring plies are located in Doctor's Inlet just west of the north bridge abutment of US 17 over Doctor's Inlet, Clay County, Florida. Pile 1 30°9'6.97"N/81°42'18.25"W Pile 2 30°9'6.94"N/81°42'17.38"W Pile 3 30°9'6.92"N/81°42'16.53"W

Work: The applicant proposed to install 3 temporary mooring piles to facilitate the widening of the US 17 Bridge over Doctor's Inlet.

Authority: Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403).

2. The U.S. Army Corps of Engineers (Corps) received an application on 20 March 2008. The proposed project is not located in an "Area of Inadequate Protection" for the West Indian manatee; and will have beneficial, insignificant, discountable or no effects to submerged aquatic vegetation, emergent vegetation, mangrove or designated critical habitat.

3. Since the proposal by the applicant is for in-water construction, potential impacts to the endangered West Indian manatee were evaluated using The Corps of Engineers, Jacksonville District, and the State of Florida Effect Determination Key for the Manatee in Florida, July 2005, version 1.1, dated August 28, 2006, (Key). Use of the Manatee key resulted in the following sequential determination: A> B> C > D > T > U > V "may affect, not likely to adversely affect" the West Indian manatee or its critical habitat. This determination is based on the applicant following the standard

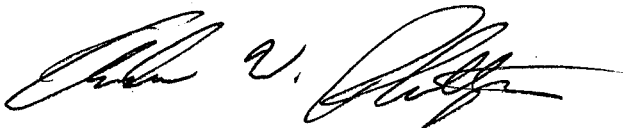
CESAJ-RD-NC (1145b)

SUBJECT: Coordination with the U.S Fish and Wildlife Service  
Pursuant to the Endangered Species Act

manatee construction precautions for the proposed activity. Further, the expansion of the US 17 Bridge over Doctor's Inlet was previously coordinated with the USFWS and they determined the project as proposed with the inclusion of the standard manatee construction precautions is not likely to adversely affect the West Indian manatee or its designated critical habitat.

5. Compliance with the standard manatee construction precautions and the Sea Turtle and Smalltooth Sawfish Construction Conditions are special conditions of an existing Regional General Permit (SAJ-17) for the construction of Minor Structures in Florida. Given resolution of the Endangered Species Act issues without any other special condition, other than to follow the standard manatee construction precautions and the Sea Turtle and Smalltooth Sawfish Construction Conditions, the proposed work can be verified for authorization under the conditions of SAJ-17.

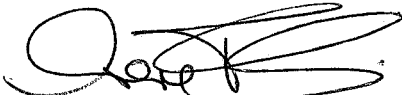
PREPARED BY:



ANDREW W. PHILLIPS  
Project Manager

4/2/08

REVIEWED BY:



IRENE F. SADOWSKI  
Chief, Cocoa Permits Section

*Turtle Bridge/PIV was permitted by  
Jason Spikering under SAT-2004-5533 (IP-AMP).*